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L4: Entry 35 of 35

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Feb 13, 1996

DERWENT-ACC-NO: 1996-157020
DERWENT-WEEK: 199616
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TITLE: Drugs for treatment of corneal damage - obtd. by hydrolysis of lactoferrin.

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PRIORITY-DATA: 1994JP-0181212 (August 2, 1994)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>JP 08040925 A</u>	February 13, 1996		010	A61K038/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 08040925A	August 2, 1994	1994JP-0181212	

INT-CL (IPC): A61 K 9/06; A61 K 9/08; A61 K 38/00; A61 K 38/16

ABSTRACTED-PUB-NO: JP 08040925A
BASIC-ABSTRACT:

Drugs for treatment of corneal damage (specifically: Sjogren's syndrome, chemically corrosive corneal ulcer) contain a peptide obtd. by hydrolysis of lactoferrin, or its derivs. or salts or their mixt.

The eye-lotion, e.g. may be prepd. with a buffer (e.g. borate, citrate, tartrate, phosphate, acetate; pH 4-6), isotonic agent (e.g. glucose, mannitol, NaCl), preservative (e.g. benzalkonium chloride), thickener (e.g. hydroxyethylcellulose), stabiliser, anti-oxidant, pH-regulator, chelating agent, absorption promoter. The ointment may be made with a base, e.g. vaseline, paraffin, PEG, CMC.

USE - The drugs accelerate the growth of corneal epithelial cell and useful in treatment of xerokeratoconjunctivitis (a condition of Sjogren's syndrome) or in improvement of ocular diseases caused by hypo-lacrimation, e.g. xerophthalmia, foreign body sensation, burning sensation, conjunctival congestion, keratitis filamentosa, ectocorneal erosion. Drugs may be applied as 0.00001-5.0 w/v%, pref. 0.0001-1 w/v%, eye-lotion or ointment, or orally or parenterally as powder, granules, tablets, capsules or injection. One to several drops of the eye-lotion 1-4 times a day. Eye lotion contains e.g. 1g peptide, 0.9g NaCl, 0.1g NaOCOME and a proper amt. MeCOOH were made to 100ml (pH 5.0) with sterilised water.

In a test with MRL mice having Sjogren's syndrome, the ectocorneal opacity was improved by application of 0.2% peptide/eye lotion 4 times a day for one month.

ABSTRACTED-PUB-NO: JP 08040925A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/1

DERWENT-CLASS: B04
CPI-CODES: B04-N02; B14-N03;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)